

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v27)**

1. Expand the following expression into standard form.

$$(2x - 9)(8x - 7)$$

2. Factor the expression.

$$x^2 + 16x + 63$$

3. Solve the equation with factoring by grouping.

$$18x^2 - 12x - 15x + 10 = 0$$

4. Solve the equation.

$$9x^2 - 11x - 42 = 4x^2 + 5x + 3$$

5. Solve the equation.

$$(7x - 2)(5x + 8) = 0$$

6. Expand the following expression into standard form.

$$(5x - 2)^2$$

7. Factor the expression.

$$36x^2 - 49$$

8. Expand the following expression into standard form.

$$(5x + 8)(5x - 8)$$